

**IN THE CLAIMS:**

These claims will replace all prior versions of claims in the present application.

Cancel claims 1-16 and replace with new claims 1-8.

1. (New) A watch comprising a case having a back, a movement contained in said case and an electronic module for storing information able to communicate by radio signals with a device for reading and/or writing said information, said module comprising a cup-shaped amagnetic material base, an integrated circuit having at least two connecting terminals and fixed to a flat bottom of said base and a send and receive antenna comprising a coil also fixed to to the flat bottom of said base and surrounded by a lateral wall of said base, the coil consisting of an electrically conductive wire having two ends connected to respective connecting terminals of said integrated circuit, said coil having an annular shape and surrounding a space in which said integrated circuit is placed, wherein said electronic module is housed at least for the most part in a cavity in the back of the case open towards the outside, and wherein the thickness of said lateral wall increases slightly and continuously from its base adjoining said flat bottom to its top so that it has an exterior surface cooperating with an internal wall of complementary shape of said cavity and constitutes a dovetail joint between said electronic module and the back of said case.

2. (New) The watch according to claim 1, wherein said cavity and said module have an essentially cylindrical shape and are situated at the centre of the back of said case.

3. (New) The watch according to claim 1, wherein the base of said module is set into, adhesively bonded in or crimped in said cavity.

4. (New) The watch according to claim 1, wherein said base is made of a plastic material, a ceramic material or sapphire.

5. (New) The watch according to claim 1, wherein said coil is a self-supporting coil that comprises a plurality of layers of contiguous and substantially coaxial turns that are formed by a thin metal wire surrounded by a sheath of electrically insulative material and connected together.

6. (New) The watch according to claim 1, wherein said coil and said integrated circuit are adhesively bonded directly to said base and said ends of the wire of the coil are also fixed directly to said terminals of the integrated circuit by means of an electrically conductive material.

7. (New) The watch according to claim 1, wherein said coil and said integrated circuit are fixed to the substrate of a printed circuit that has two connecting lands situated between said coil and said integrated circuit to which are fixed said ends of the wire of said coil and two ends of two conductive wires whose other ends are fixed to said connecting terminals of said integrated circuit.

8. (New) The watch according to claim 1, wherein said module has a portion projecting out of the back of said case adapted to position it quickly and accurately on a head of said reading and/or writing device which itself comprises an antenna in the form of a coil and has a recess substantially the same shape and size as said boss.